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Atty. Docket No.: 25436/2412

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Gurtu
Serial No.: 10/815,337
Filed: April 1, 2004
Entitled: *Renilla* GFP Mutants with Increased
Fluorescent Intensity and Spectral Shift

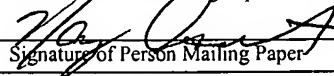
Examiner: Not Yet Assigned
Group Art Unit: 1645
Conf. No.: 8486

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nancy Arsenault

Name of Person Mailing Paper



Signature of Person Mailing Paper

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§§ 1.56, 1.97 AND 1.98

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Supplemental Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. This application was filed after June 30, 2003, and copies of U.S. patents and U.S. patent applications are not required and are not enclosed.

Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date: 11/2/04

Respectfully submitted,


Name: Matthew Beaudet

Registration No.: 50,649

Customer No.: 27495

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100



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TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of Cited References; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any fees to Deposit Account No. 16-0085, Reference 25436/2412. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: 11/2/04

Name: Matthew Beaudet

Registration No.: 50,649

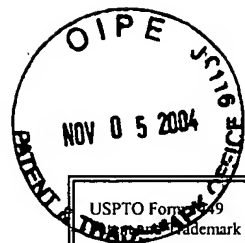
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| USPTO Form 1449 U.S. Department of Commerce Trademark Office | | | | Attorney Docket No. 25436/2412 | | Serial No. 10/815,337 | |
| INFORMATION DISCLOSURE STATEMENT | | | | Applicant(s): Gurtu | | | |
| | | | | Filing Date: April 1, 2004 | | Group: 1645 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Patent No. | Date | Name | Class | Subclass | Filing Date (if appropriate) |
| | 1. | 5,874,304 | Feb. 23, 1999 | Zolotukhin, et al. | 435 | 366 | |
| | 2. | 5,968,738 | Oct. 19, 1999 | Anderson, et al. | 435 | 6 | |
| | 3. | 5,804,387 | Sep. 8, 1998 | Cormack, et al. | 435 | 6 | |
| | 4. | 5,625,048 | Apr. 29, 1997 | Tsien, et al. | 536 | 23.4 | |
| | 5. | 5,777,079 | Jul. 7, 1998 | Tsien, et al. | 530 | 350 | |
| | 6. | 6,232,107 | May 15, 2001 | Bryan, et al. | 435 | 189 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document No. | Publication Date | Country | Class | Subclass | Translation |
| | | | | | | | YES NO |
| | 7. | WO 01/64843 A1 | 7 Sept. 2001 | PCT | C12N | 1/36 | |
| | 8. | WO 01/68824 A2 | 20 Sept. 2001 | PCT | C12N | 9/02 | |
| | 9. | WO 97/11094 | 27 March 1997 | PCT | C07K | 14/435 | |
| | 10. | WO 98/06737 | 19 Feb. 1998 | PCT | C07H | 21/04 | |
| | 11. | WO 97/20078 | 5 June 1997 | PCT | C12Q | 1/68 | |
| | 12. | WO 97/42320 | 13 Nov. 1997 | PCT | C12N | 15/12 | |
| | 13. | WO 98/21355 | 22 May 1998 | PCT | C12P | 21/06 | |
| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | 14. | Chalfie, et al.; "Green Fluorescent Protein as a Marker for Gene Expression"; (1994); <u>Science</u> ; 263: 802-805. | | | | | |
| | 15. | Tsien; "The Green Fluorescent Protein"; (1998); <u>Annu. Rev. Biochem.</u> ; 67: 509-544. | | | | | |
| | 16. | Ward; "Energy Transfer Processes in Bioluminescence"; (1979); <u>Photochem. Photobiol. Rev.</u> ; 4: 1-57. | | | | | |
| | 17. | Ward, et al.; "Spectral Perturbations of the Aequorea Green-Fluorescent Protein"; (1982); <u>Photochem. Photobiol.</u> ; 35: 803-808. | | | | | |
| | 18. | Heim, et al., "Improved Green Fluorescence"; (1995); <u>Nature</u> ; 373: 663-664. | | | | | |
| EXAMINER | | | | | DATE CONSIDERED | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. | | | | | | | |
| **Copies of references not provided at the time of this submission. | | | | | | | |

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| USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT | | | | Attorney Docket No. 25436/2412 | | Serial No. 10/815,337 | |
| | | | | Applicant(s): Gurtu | | | |
| | | | | Filing Date: April 1, 2004 | | Group: 1645 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|------------|------|------|-------|----------|------------------------------|
| Examiner Initial | | Patent No. | Date | Name | Class | Subclass | Filing Date (if appropriate) |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|--------------|------------------|---------|-------|----------|-------------|----|
| Examiner Initial | | Document No. | Publication Date | Country | Class | Subclass | Translation | |
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| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | |
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| 19. | Chalfie; "Green Fluorescent Protein"; (1995); <u>Photochemistry and Photobiology</u> ; 62(4): 651-656. | |
| 20. | Ehrig, et al.; "Green-fluorescent protein mutants with altered fluorescence excitation spectra"; (1995); <u>FEBS Lett.</u> ; 367: 163-166. | |
| 21. | Surpin, et al.; "Development of Monoclonal Antibodies to Aequorea Green-Fluorescent Protein and their Cross Reaction with Renilla Green-Fluorescent Protein"; (1987); <u>Photochem. Photobiol.</u> ; 45(Supp.): 95S. | |
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| 23. | Yang, et al.; "Dual color microscopic imagery of cells expressing the green fluorescent protein and a red-shifted variant"; (1996); <u>Gene</u> ; 173: 19-23. | |
| 24. | Ward and Cormier; "An Energy Transfer Protein in Coelenterate Bioluminescence"; (1979); <u>J. Bio. Chem.</u> ; 254(3): 781-788. | |
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